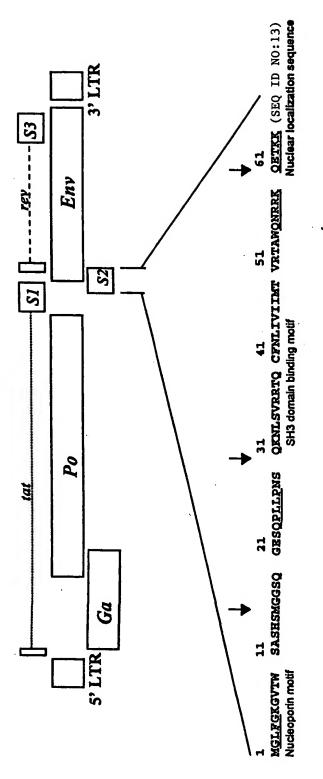
amino acid code at the bottom. Stop codons (indicated by arrows) were introduced into various positions in the EIA virus Schematic representation of EIA virus S2 gene and mutant clones derived from EIAV_{UK}. The EIA proviral DNA is shown at the top; the complete deduced amino acid sequence of the putative S2 protein is shown in single letter S2 gene to generate the specific mutant virus strains.



EIAV.G5/s Stop codon replaced amino acid G⁵

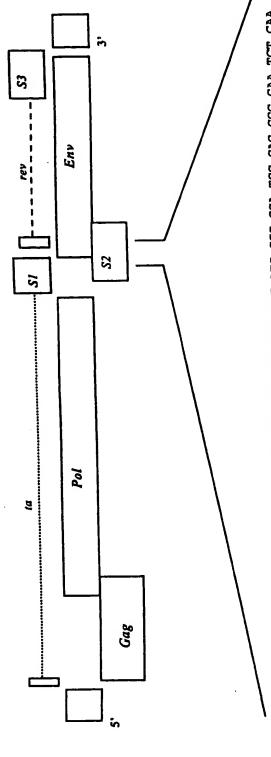
EIAV.2M/X M¹⁶ changed to T Stop codons replaced G⁵ and G¹⁸

EIAV. AS2 Deletion of initial 5 nucleotides of S2

FIG. 2a



Schematic representation of the Wild-type EIAV S2 gene compared with the Δ S2 gene of EIAV.2M/X (EIAV 11K AS2)



A TCC CAG GGG GAA TCT CAA
S Q G E S Q
C AAC CTT ATT GTT ATA ATA
N L I V I I GGA G TTC A S O S X A t t t t S. AGA R GAG 25 × 25 × 45 0 675 × 77.0 AGT % A 25 × f. ¬ 25 × GTA ACA 1
V T
AAA AAT C
K N
CAG AAT C စ္တိ ၀ ၅ ၀ ၅ န GGT AAA G G K AAC AGT C N S ACA GCA T GTA AGA I CCC P T 1 E a ATG GGA T

M G

CCC CTA T

P L

ATG ACA C (SEQ ID NO:14) type

A TCC CAG GGG GAA TCT
S Q G E S
C AAC CTT ATT GNT ATA
N L I V I TTC TTC 88 a T a X X A C S H CAT AGA GAG 5 v 8 × 4 0 वि उस्ते उ SG & GTA ACA H A N AAT > \$ × \$ 0 ဗ္ဗ o Se Se လည် ≆ TGT C MAC TGT 130 a AGA R THE TEST A LA A S 다 가 함 다 GGA GCC CCC P ATG ATA CAA H

FIG. 2b

(SEQ ID NO:15)

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REPLACEMENT SHEET

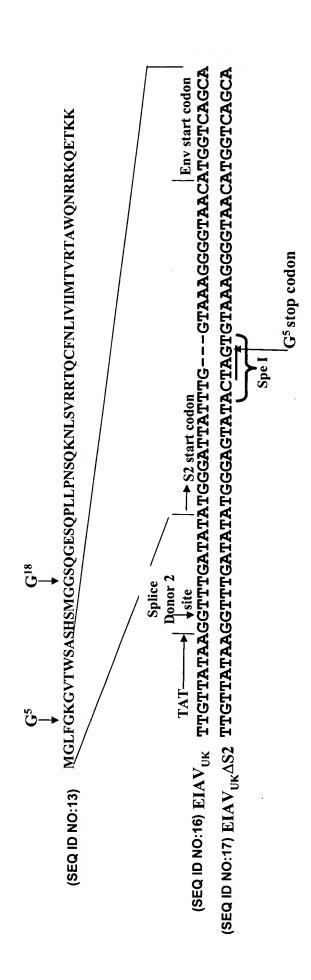


FIGURE 6

REPLACEMENT SHEET

TTGTTATAAGGTTTTACTAGTACATGGTCAGCA	SEQ ID NO:19) D25:
TTGTTATAAGGTTTTACTAGTGTAAAGGGGTAACATGGTCAGCA	SEQ ID NO:18) D14:
TTGTTATAAGGTTTTGATATATGGGAGTATACTAGTGTAAAGGGGGTAACATGGTCAGCA	SEQ ID NO:17) \triangle S2:

FIGURE 7

REPLACEMENT SHEET

TTGTTATAAGGTTTGATATATGGGAGTATACTAGTGTAAAGGGGGTAACATGGTCAGCA (SEQ ID NO:17) $\Delta S2$:

TTGTTATAAGGTTTGA-----GGAGTATACTAGTGTAAAGGGGGTAACATGGTCAGCA (SEQ ID NO:20) D6: ---GTATACTAGTGTAAAGGGGTAACATGGTCAGCA TTGTTATAAGGTTTGA---(SEQ ID NO:21) D9:

FIGURE 9